

Conference Abstract

# INPN - GBIF Exchanges: Biodiversity data flows at national and international levels

Sophie Pamerlon<sup>‡</sup>, Anne-Sophie Archambeau<sup>§</sup>, Fabien Cavière<sup>|</sup>, Solène Robert<sup>¶</sup>, Frederic Vest<sup>¶</sup>

<sup>‡</sup> GBIF France, Paris, France

<sup>§</sup> GBIF France - UMS PatriNat - IRD, Paris, France

<sup>|</sup> GBIF France - UMS PatriNat, Paris, France

<sup>¶</sup> UMS PatriNat, Paris, France

Corresponding author: Sophie Pamerlon ([pamerlon@gbif.fr](mailto:pamerlon@gbif.fr))

Received: 09 Jul 2019 | Published: 17 Jul 2019

Citation: Pamerlon S, Archambeau A-S, Cavière F, Robert S, Vest F (2019) INPN - GBIF Exchanges: Biodiversity data flows at national and international levels. Biodiversity Information Science and Standards 3: e38114.

<https://doi.org/10.3897/biss.3.38114>

## Abstract

GBIF France, the French node of the Global Biodiversity Information Facility, has been hosted by the National Museum of Natural History (MNHN) since 2006 and is actively involved in various national and international projects related to data mobilization.

The INPN (National Inventory of Natural Heritage) information facility, hosted since 2005 by the MNHN, lists the ecological, faunistic, floristic, geological, mineralogical and paleontological data of France and its overseas territories. This system has been recognized since 2012 as the national platform of the French Nature and Landscape Information System.

In January 2017, GBIF France and the INPN team were gathered in the Mixed Unit of Natural Heritage Services (UMS PatriNat), which provides expertise and knowledge management missions under the supervision of the French Agency for Biodiversity (AFB), the National Center for Scientific Research (CNRS) and the MNHN.

In order to support both systems and enhance biodiversity data quality, a flow of occurrences and taxonomic data has been established between GBIF and INPN. On July 2018, the latest delivery of French data coming from the INPN marked the one billionth

occurrence to the GBIF network. Data connected to GBIF from French territories, will be included in INPN in 2019.

In this poster, we will explain the detailed process of data exchange between the two platforms, as well as the protocols, the standards and the tools used for data validation, data transformation, data dissemination and data update.

## **Keywords**

data sharing, GBIF France, INPN, UMS PatriNat

## **Presenting author**

Sophie Pamerlon

## **Presented at**

Biodiversity\_Next 2019